



# **HIV IN THE WESTERN REGION: AN EPIDEMIOLOGICAL PROFILE**

**WESTERN RAC MEETING  
MAY 15, 2013**

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**Maryland Department of Health and Mental Hygiene  
Prevention and Health Promotion Administration**



# MISSION AND VISION

## MISSION

- The mission of the Prevention and Health Promotion Administration is to protect, promote and improve the health and well-being of all Marylanders and their families through provision of public health leadership and through community-based public health efforts in partnership with local health departments, providers, community based organizations, and public and private sector agencies, giving special attention to at-risk and vulnerable populations.

## VISION

- The Prevention and Health Promotion Administration envisions a future in which all Marylanders and their families enjoy optimal health and well-being.



# National Data



# U.S. HIV/AIDS Prevalence

- At the end of 2009, an estimated 1.1 million adult Americans were infected with HIV
- It is also estimated that 18% of the infected were undiagnosed
  - CDC. HIV Surveillance Supplemental Report. 2012; 17(No. 3, part A). Atlanta.



# Estimated HIV Diagnoses during 2011, Ranked by Rates

<u>STATE/TERRITORY</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. District of Columbia	962	155.6
2. Virgin Islands	35	33.0
<b>3. Maryland</b>	<b>1,783</b>	<b>30.6</b>
4. Louisiana	1,381	30.2
5. Florida	5,408	28.4
6. Georgia	2,522	25.7
7. New York	4,960	25.5
8. Puerto Rico	888	24.0
9. Mississippi	617	20.7
10. Texas	5,065	19.7
<hr/>		
<i>United States</i>	<i>50,199</i>	<i>15.9</i>



# Estimated Adults Living with Diagnosed HIV, year-end 2010, Ranked by Rates



<u>STATE/TERRITORY</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. District of Columbia	14,359	2,704.3
2. New York	132,523	810.0
3. Virgin Islands	589	667.1
<b>4. Maryland</b>	<b>30,558</b>	<b>632.9</b>
5. Florida	94,897	592.7
6. Puerto Rico	18,129	584.3
7. New Jersey	35,860	488.2
8. Louisiana	16,892	451.7
9. Georgia	33,920	428.8
10. Delaware	2,968	394.1
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<i>United States</i>	888,638	342.2



# Estimated HIV Diagnoses during 2011, Ranked by Rates

<u>METROPOLITAN AREA</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. Miami, FL	2,606	46.0
2. New Orleans-Metairie-Kenner, LA	513	43.0
3. Baton Rouge, LA	336	41.6
4. Jackson, MS	200	36.7
<b>5. Washington, DC-VA-MD-WV</b>	<b>1,969</b>	<b>34.5</b>
<b>6. Baltimore-Towson, MD</b>	<b>922</b>	<b>33.8</b>
7. Memphis, TN-MS-AR	433	32.6
8. Atlanta-Sandy Springs-Marietta, GA	1,626	30.3
9. New York, NY-NJ-PA	5,344	28.1
10. Jacksonville, FL	382	28.1
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<i>United States</i>	<i>50,161</i>	<i>15.9</i>



# Estimated Persons Living with Diagnosed HIV, year-end 2010, Ranked by Rates



<u>METROPOLITAN AREA</u>	<u>Cases</u>	<u>Rate per 100,000</u>
1. Miami, FL	49,045	879.3
2. New York, NY-NJ-PA	143,393	757.9
<b>3. Baltimore-Towson, MD</b>	<b>18,318</b>	<b>674.8</b>
4. New Orleans-Metairie-Kenner, LA	7,380	620.2
5. Jackson, MS	3,018	558.8
6. San Francisco, CA	23,829	548.6
7. Memphis, TN-MS-AR	7,191	545.6
<b>8. Washington, DC-VA-MD-WV</b>	<b>30,797</b>	<b>549.0</b>
9. San Juan-Caguas-Guaynabo, PR	13,026	525.9
10. Baton Rouge, LA	4,009	498.3
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<i>United States</i>	<i>891,157</i>	<i>284.7</i>



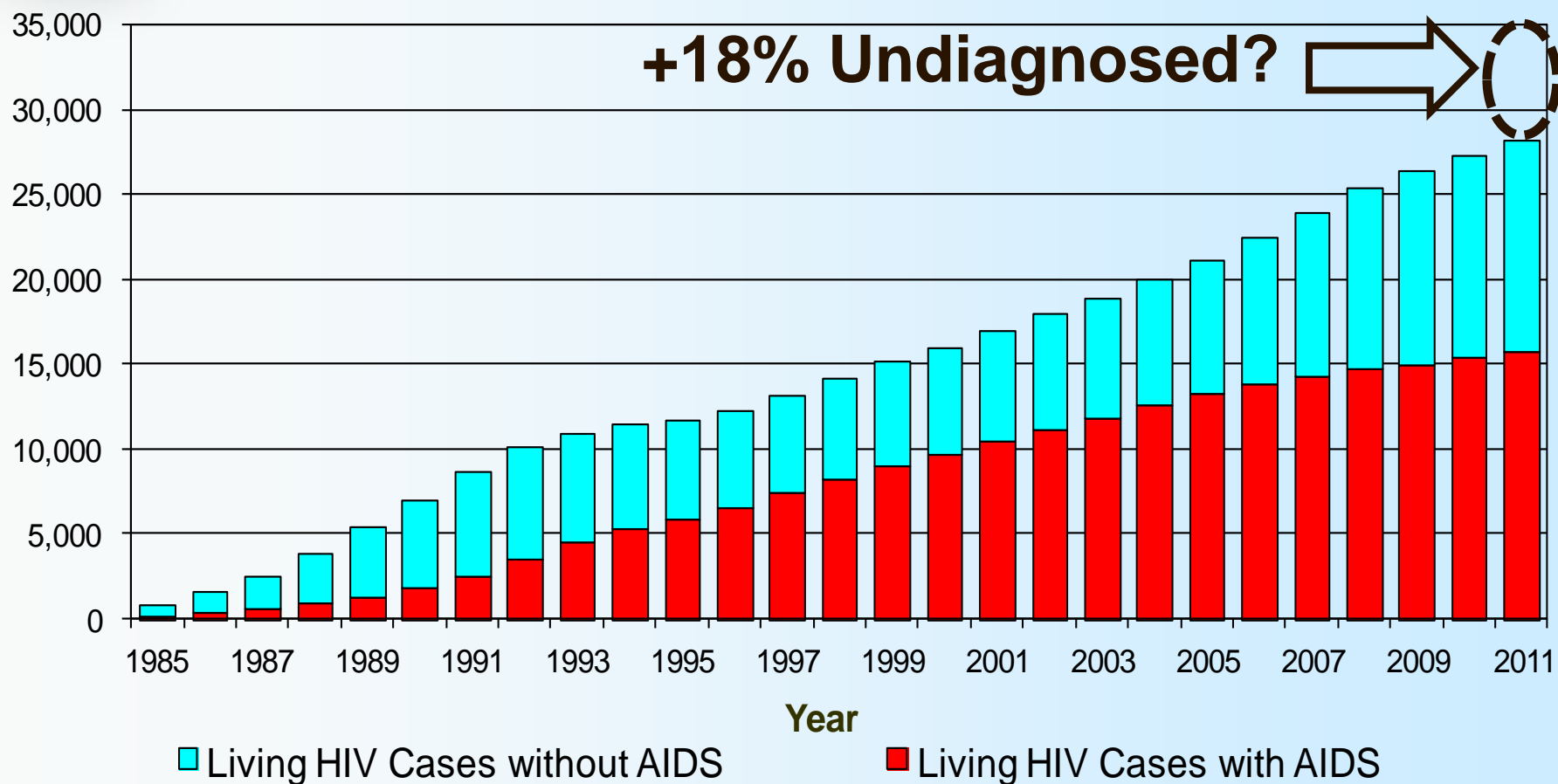


# State Data



# Maryland Living HIV Cases

Number of Cases



Using data as reported through 12/31/2012

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# Maryland Adult/Adolescent HIV/AIDS Statistics

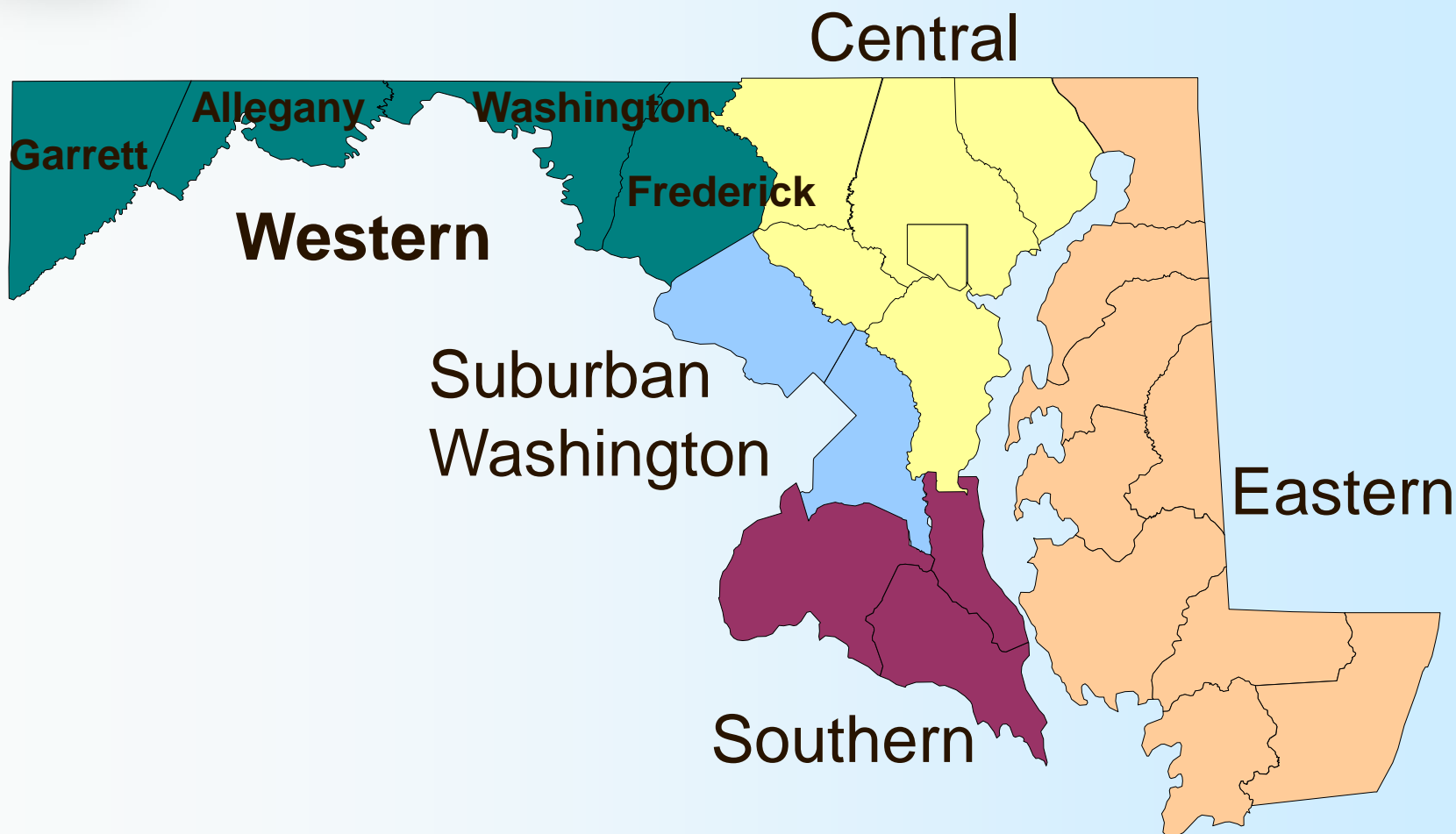


Reported Diagnoses (during 2011)	No.	per 100,000	
HIV	1,311	26.9	
AIDS	759	15.6	
Living Cases (on 12/31/11)	No.	per 100,000	1 in X
HIV without AIDS	12,162	249.8	
HIV with AIDS	15,548	319.3	
Total HIV	27,710	569.1	175

Using data as reported through 12/31/2012

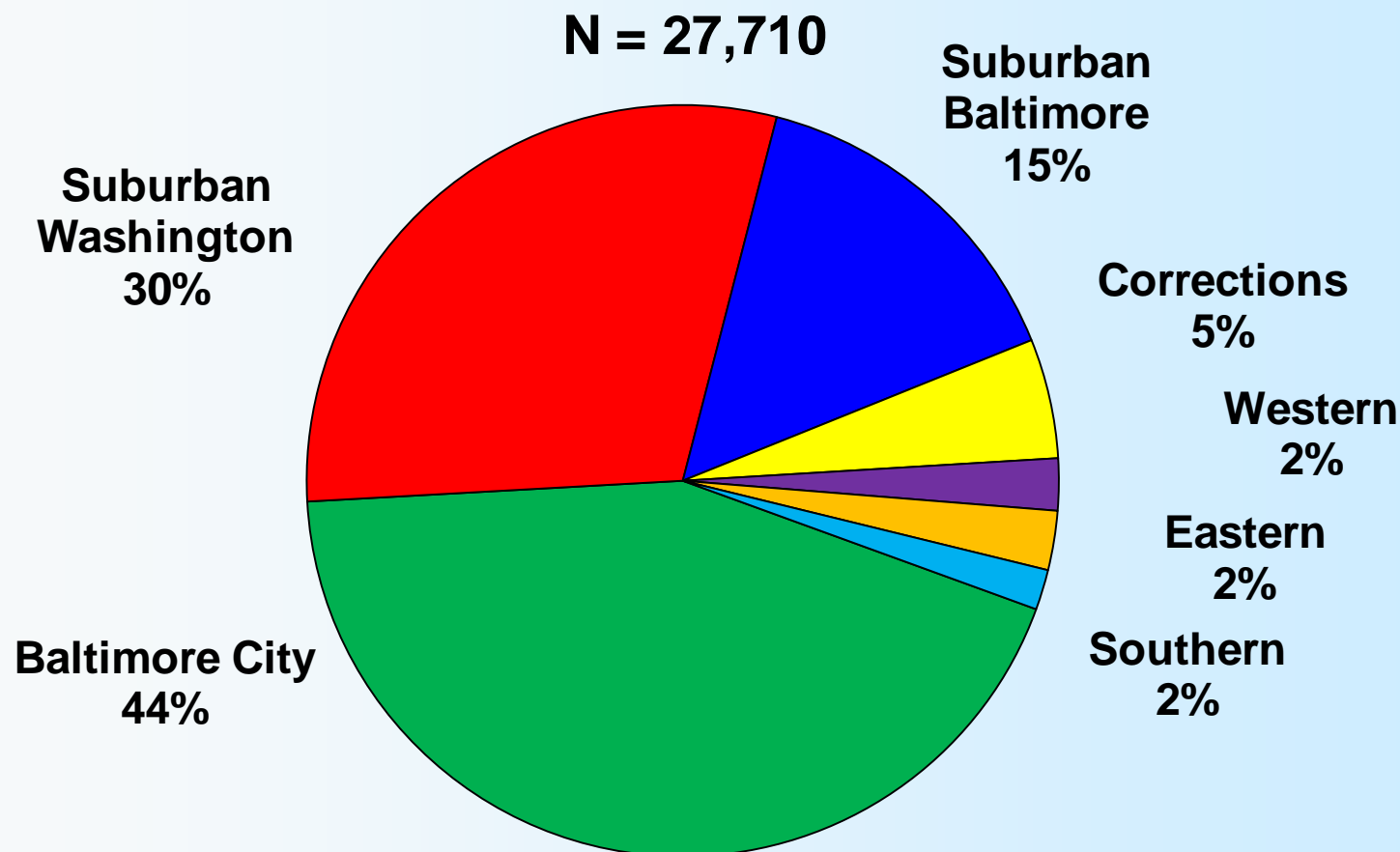


# Maryland Regional Advisory Committee Regions





# Maryland Living Adult/ Adolescent HIV Cases by Region, 12/31/11



Using data as reported through 12/31/2012



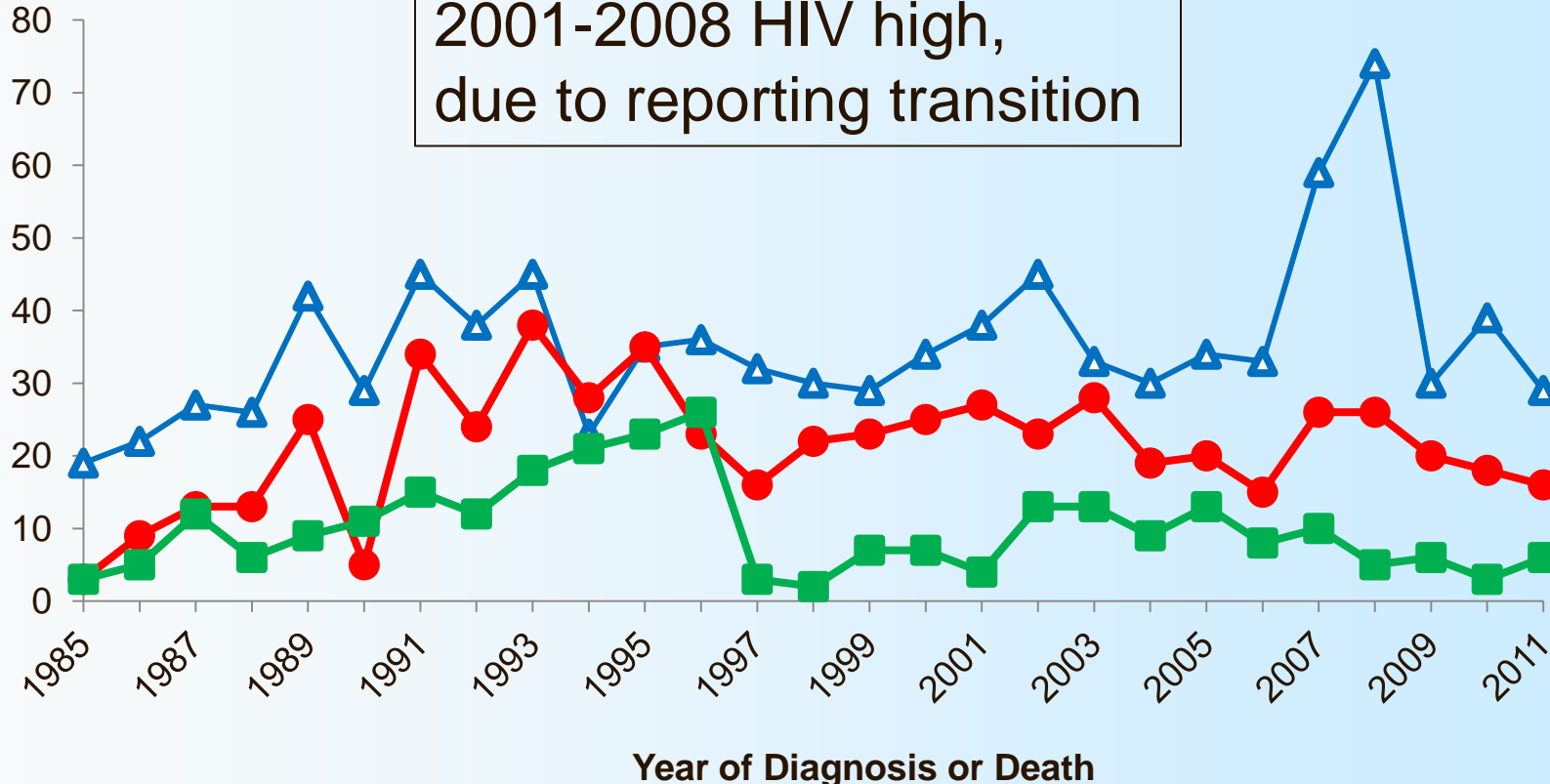
# Regional Data



# HIV/AIDS Trends Western Region

Number of Events

2001-2008 HIV high,  
due to reporting transition



▲ Reported HIV Diagnoses ● Reported AIDS Diagnoses ■ Reported AIDS Deaths

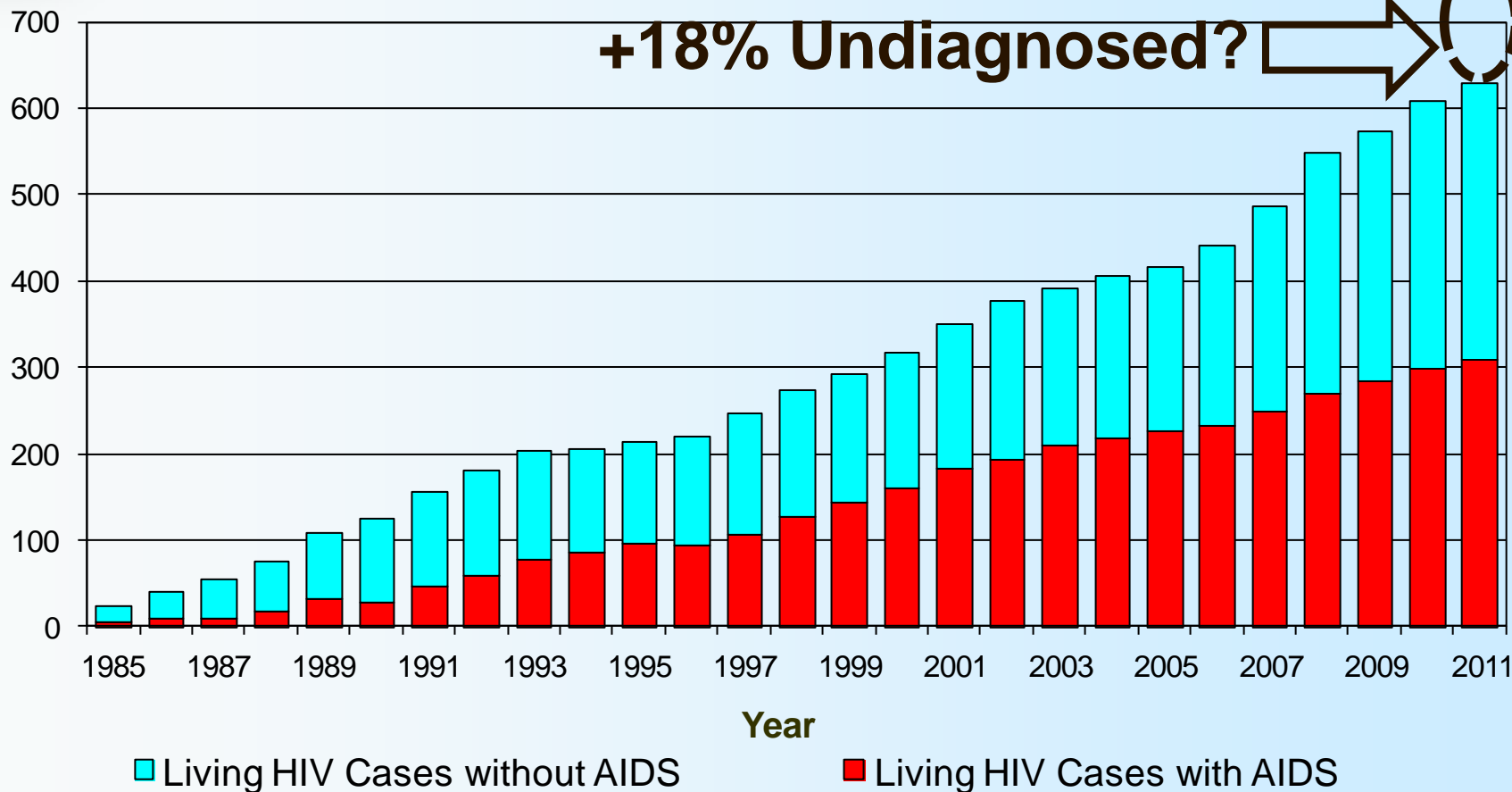
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# Living HIV Cases Western Region

Number of Cases



Using data as reported through 12/31/2012

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# HIV Statistics

## Adult/Adolescent Cases

### Western Region

	Reported HIV Diagnoses during 2011	Living HIV Cases on 12/31/2011
Western Region	29	619
Allegany	3	68
Frederick	9	257
Garrett	0	7
Washington	17	287

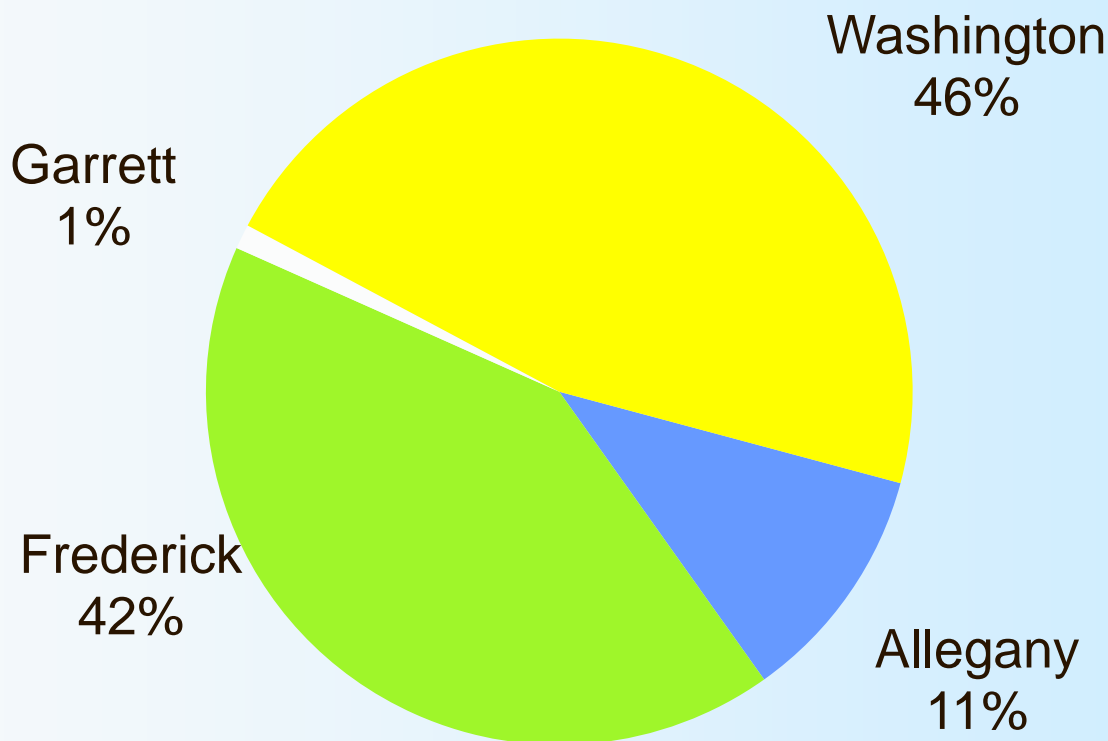
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# Western Region Living Adult/ Adolescent HIV Cases by County, 12/31/11

N = 619

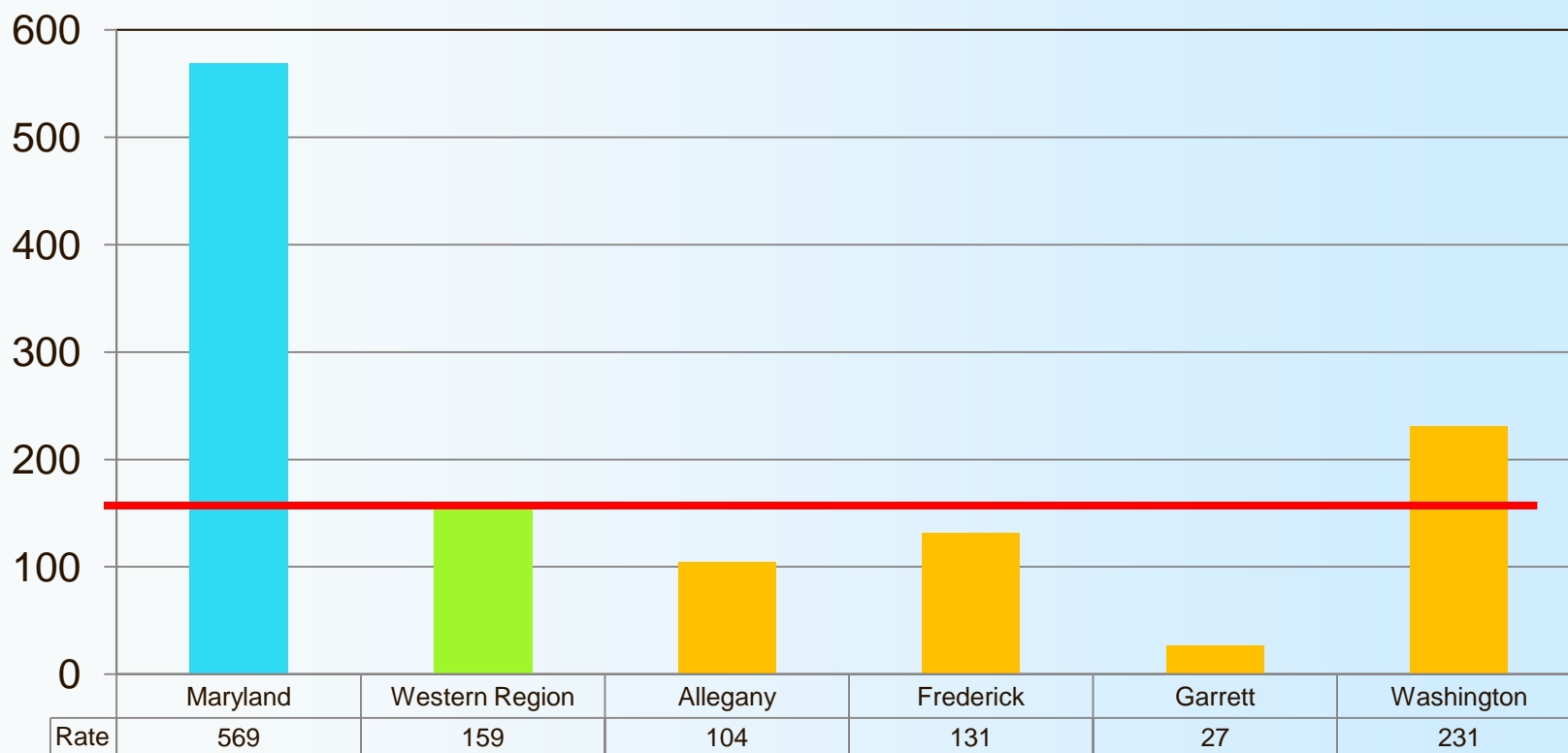


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# Living Adult/Adolescent HIV Cases Rates per 100,000 Population by County, Western Region, 12/31/11

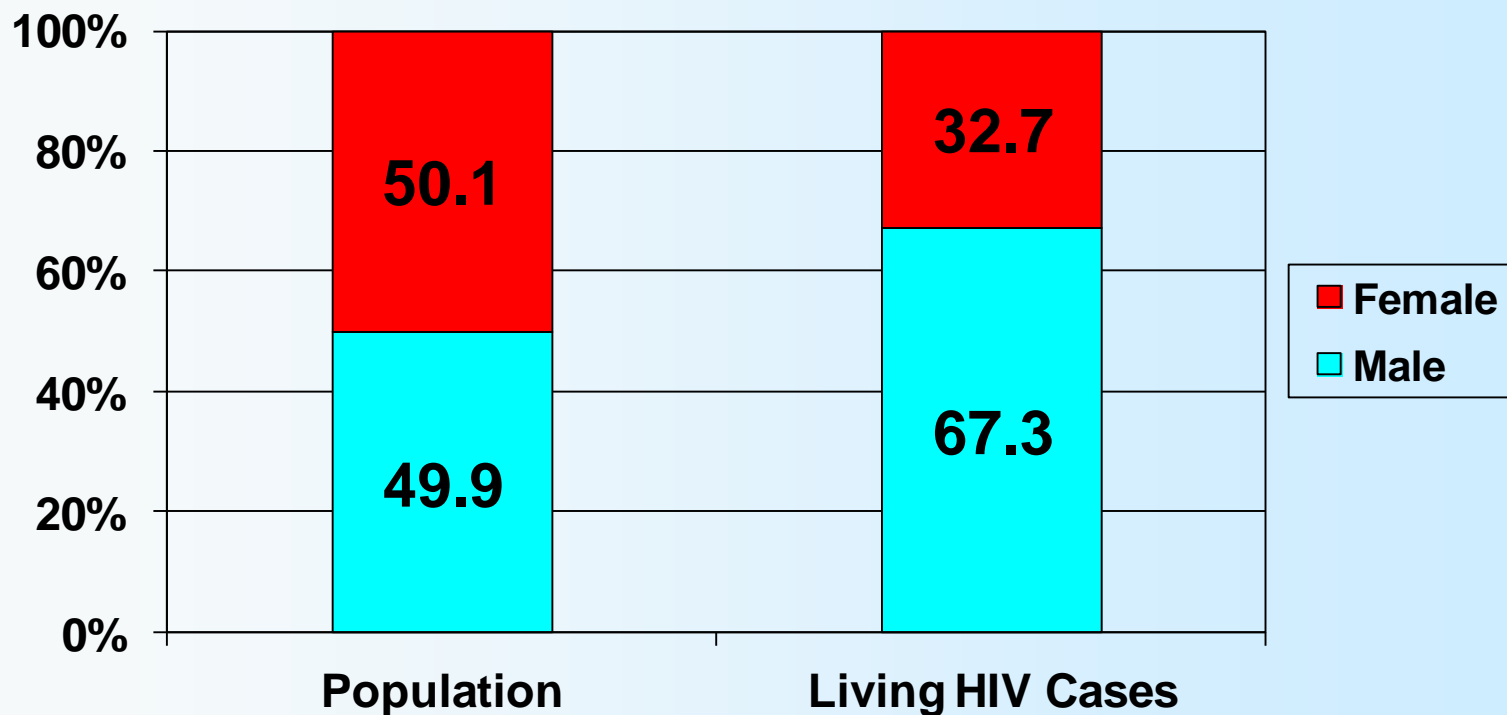


Population on 7/1/11. Cases on 12/31/11  
as reported through 12/31/12

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# Adult/Adolescent Population and Living HIV Cases by Sex at Birth, Western Region

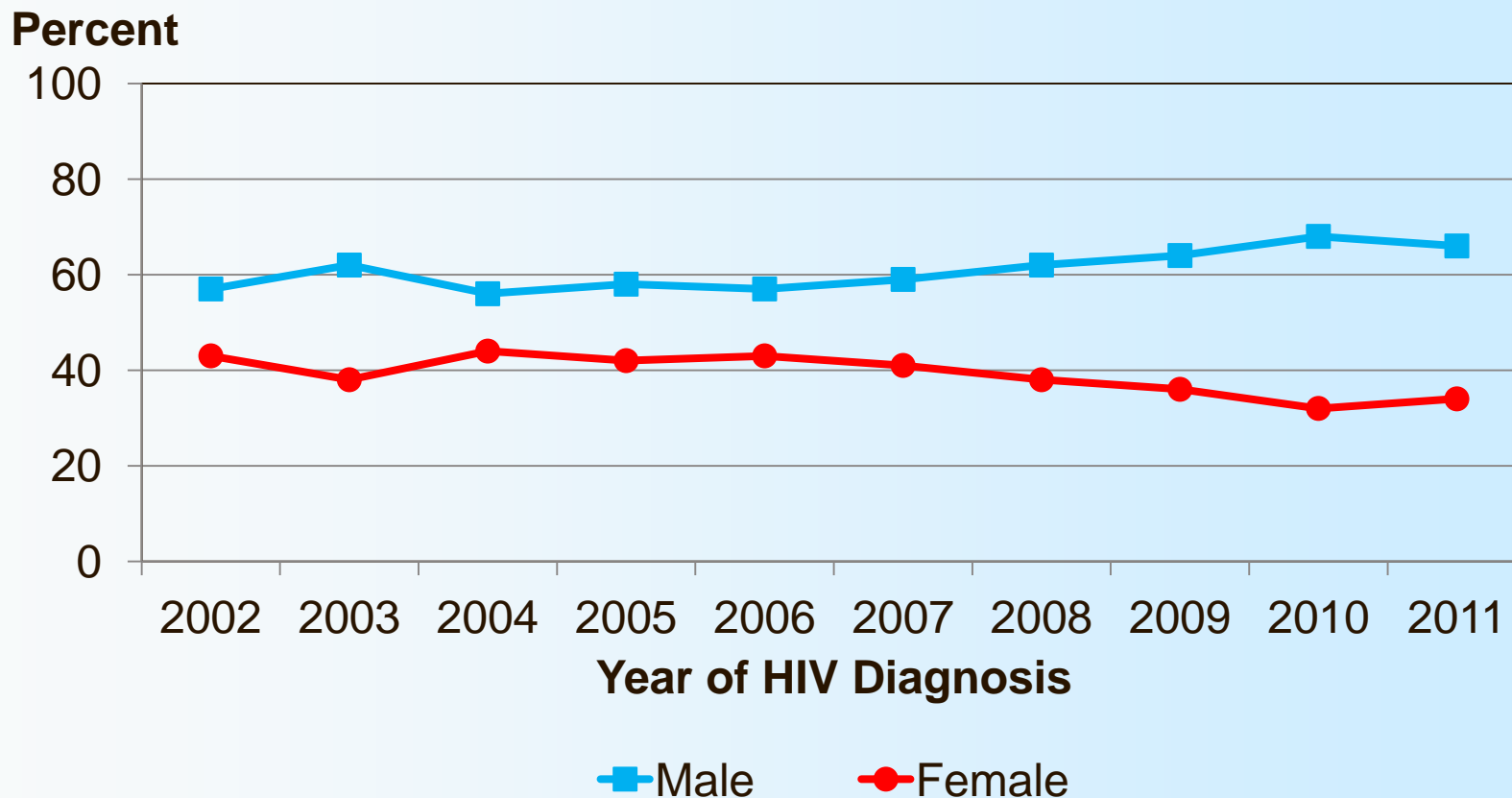


Population on 4/1/10, Cases on 12/31/10  
as reported through 12/31/11

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# Reported Adult/Adolescent HIV Diagnosis Trends by Sex at Birth, Western Region

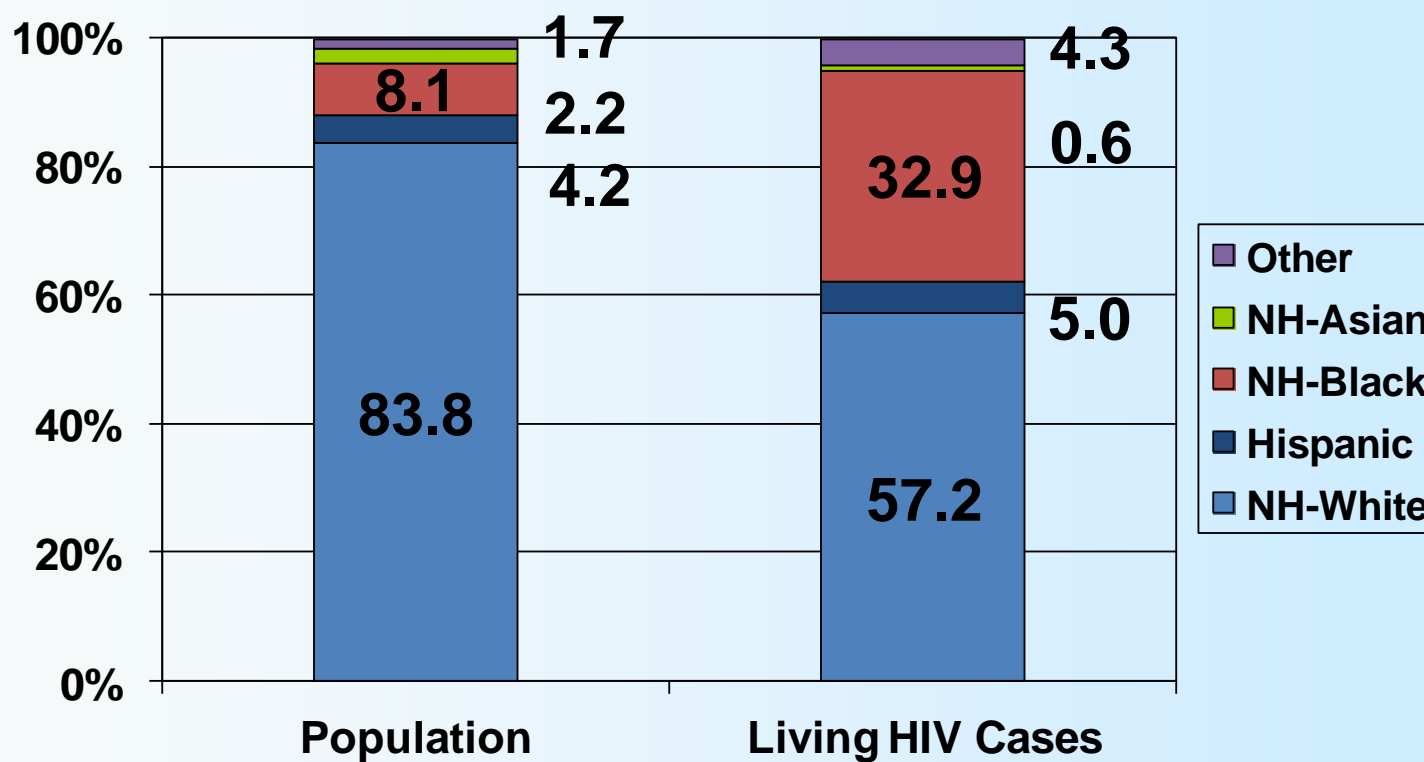


Using data as reported through 12/31/2012

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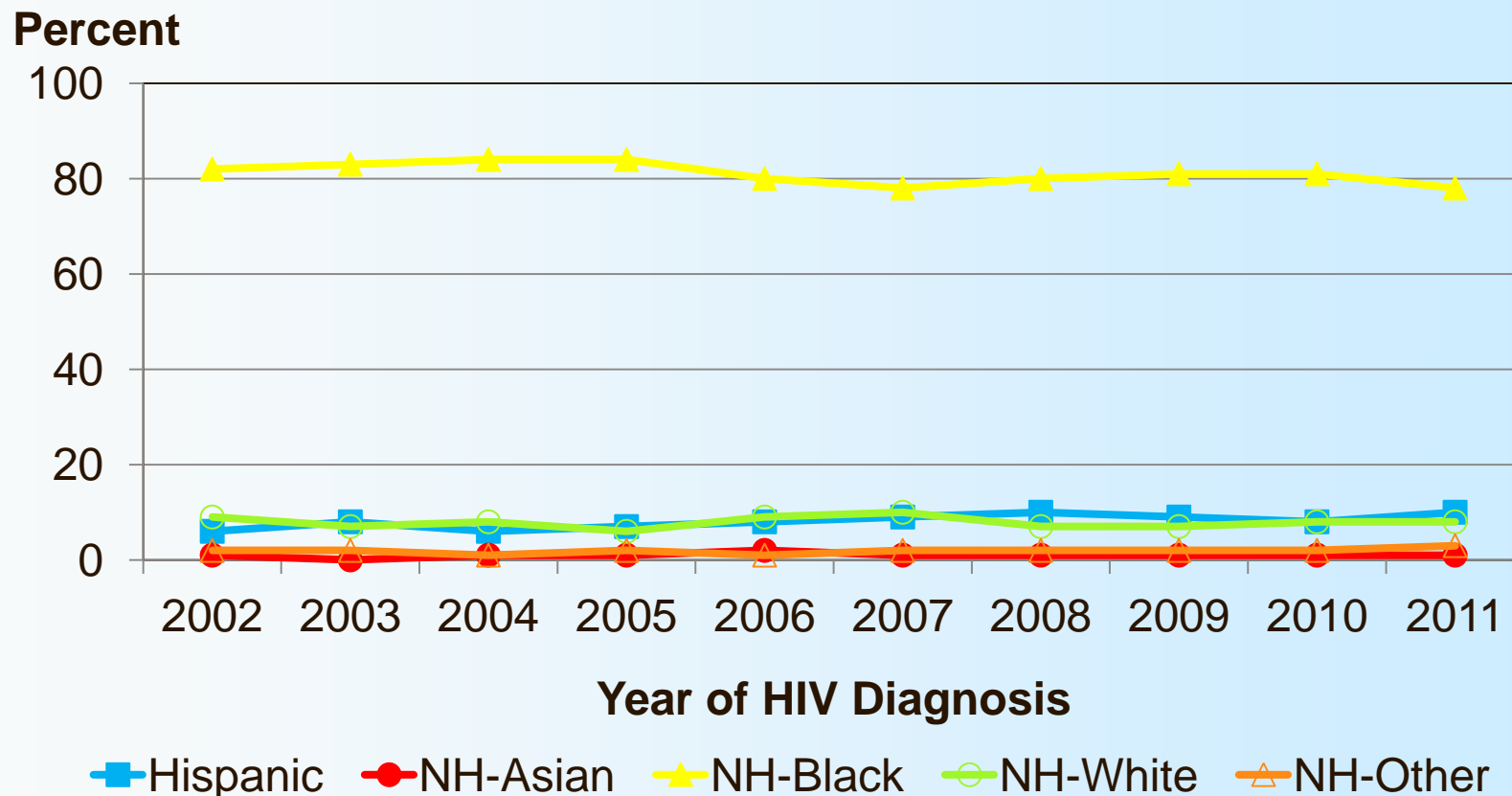
# Adult/Adolescent Population and Living HIV Cases by Race/Ethnicity, Western Region



Population on 4/1/10, Cases on 12/31/10  
as reported through 12/31/11



# Reported Adult/Adolescent HIV Diagnosis Trends by Race/Ethnicity, Western Region

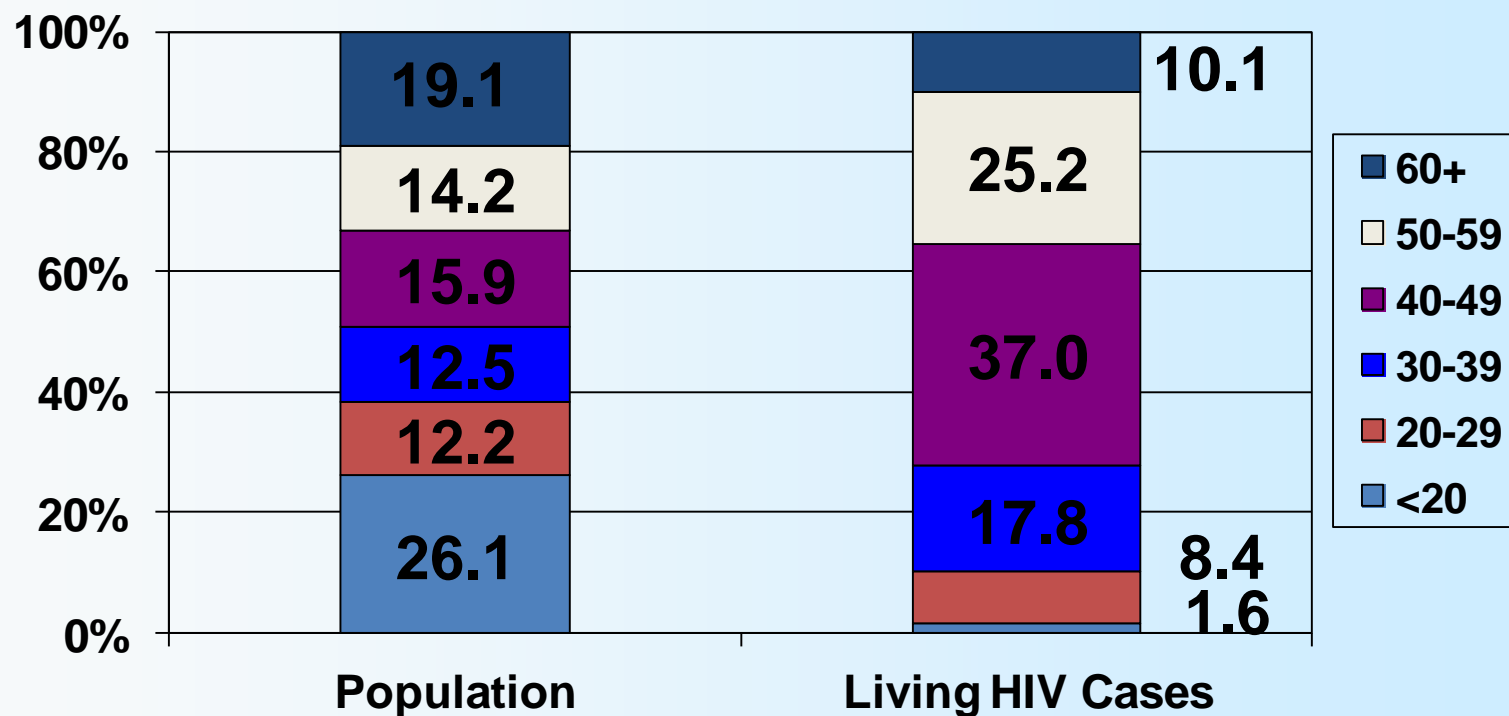


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# Population and Living HIV Cases by Age, Western Region



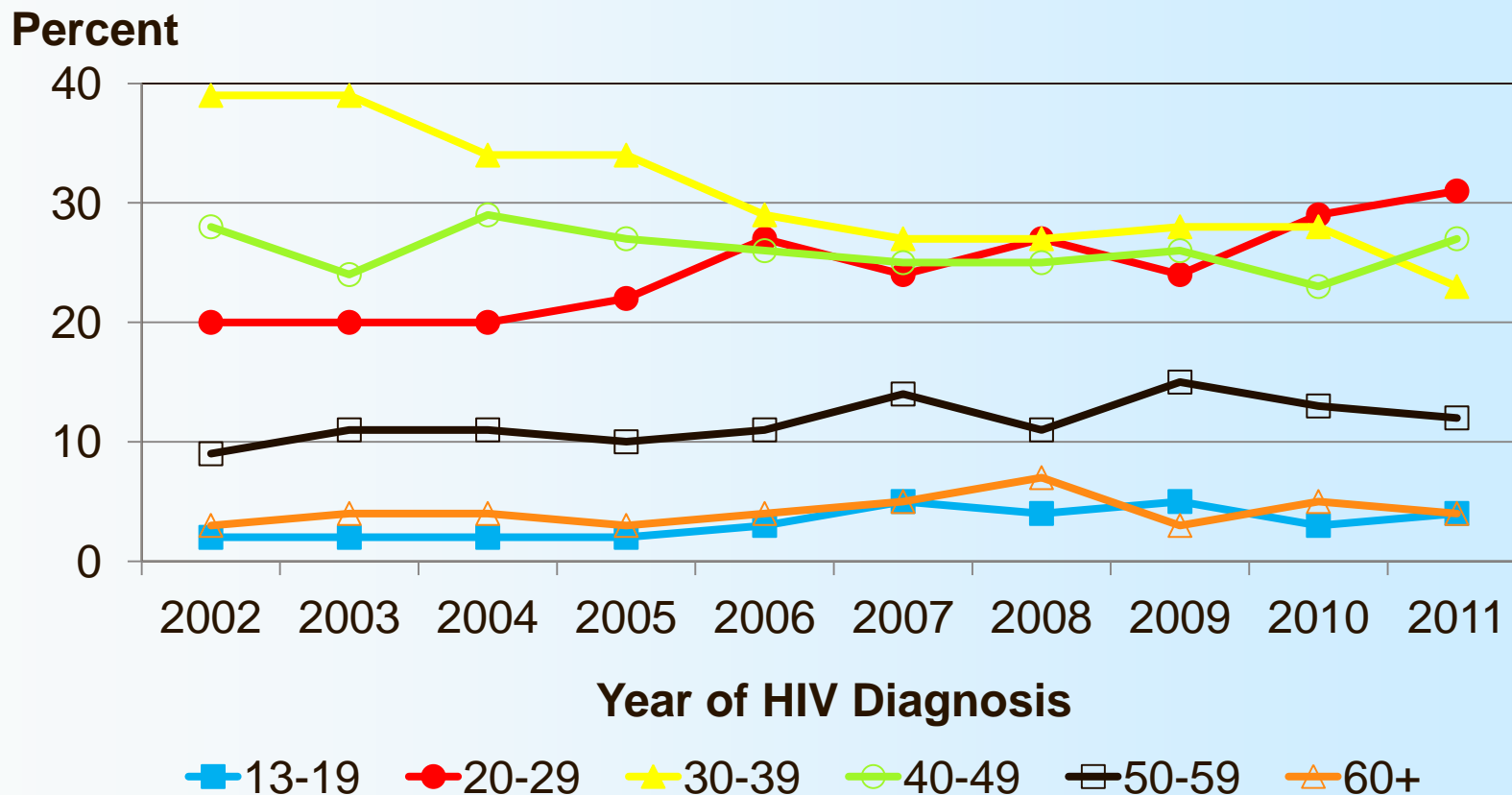
Population on 4/1/10, Cases on 12/31/10  
as reported through 12/31/11

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# Reported Adult/Adolescent HIV Diagnosis Trends by Age at Diagnosis, Western Region



Using data as reported through 12/31/2012



# Exposure Categories

**MSM:** Men who have Sex with Men

**IDU:** Injection Drug Use

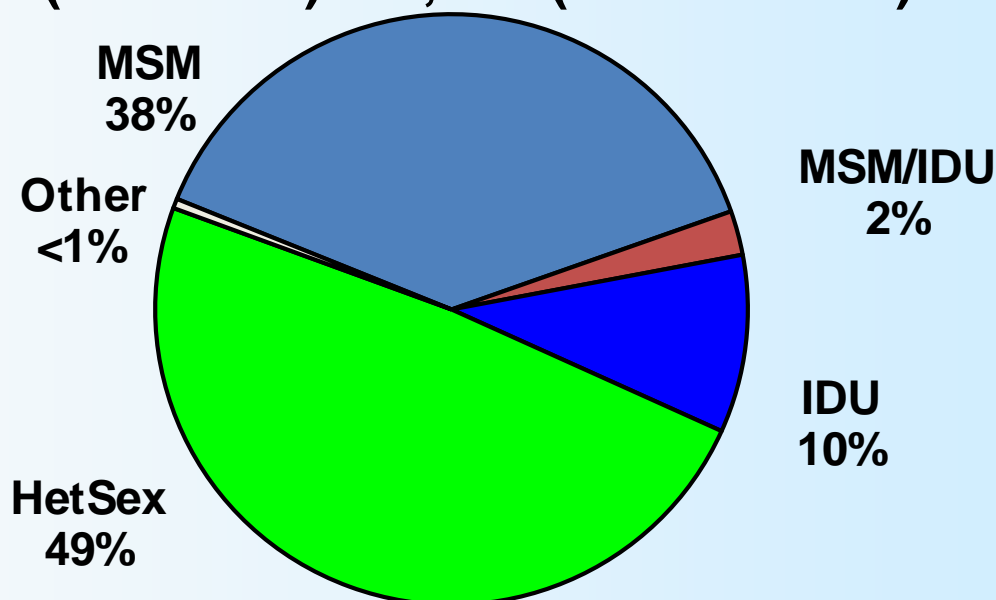
**MSM/IDU:** Men who have Sex with Men AND Inject Drugs

**HetSex:** Heterosexual Contact with a Person that has or is at Risk for HIV Infection



# Living Adult/Adolescent HIV Cases 12/31/11 by Exposure Category, Western Region

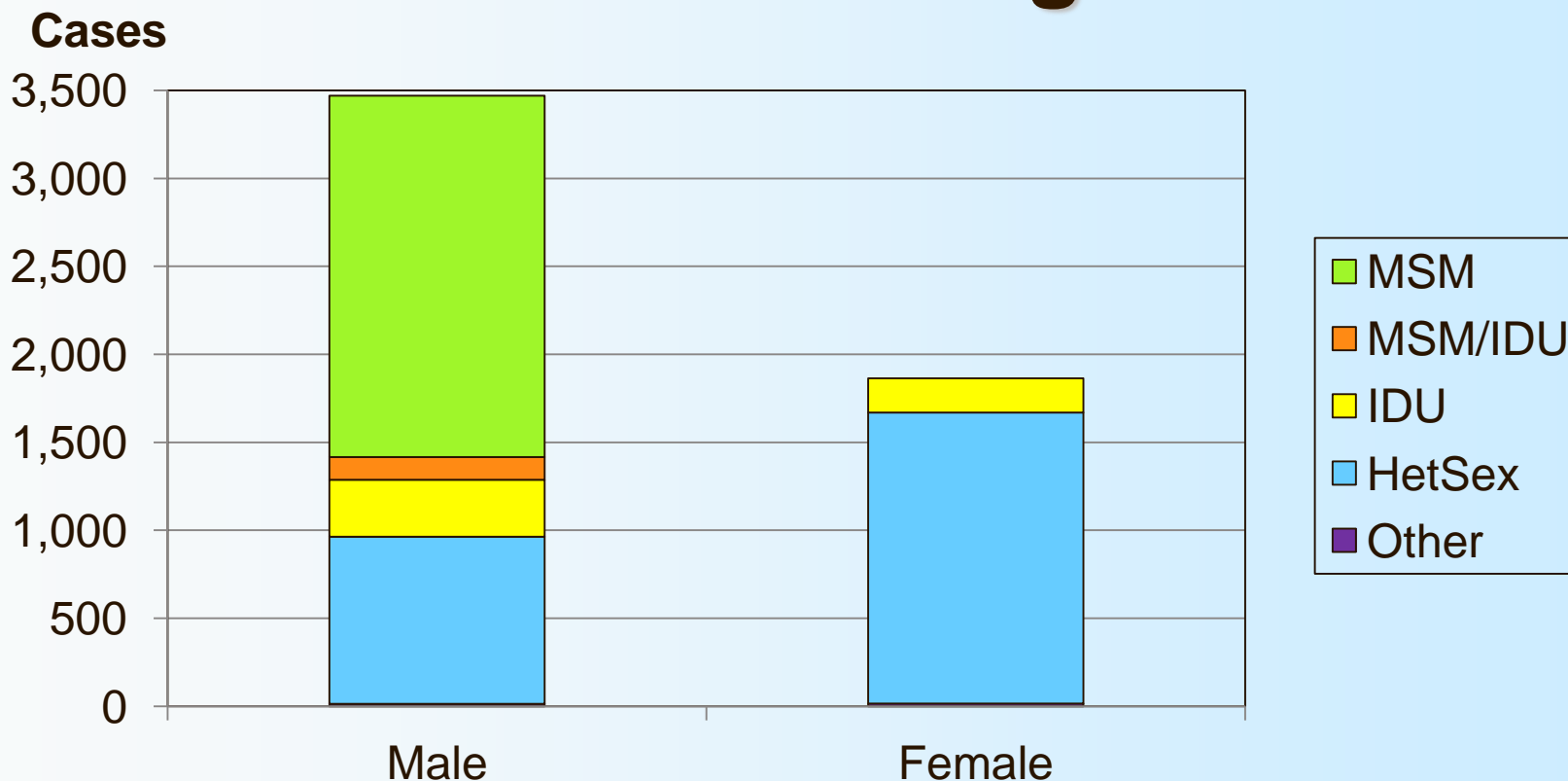
**N (with Risk) = 5,333 (64% of Total)**



Using data as reported through 12/31/2012



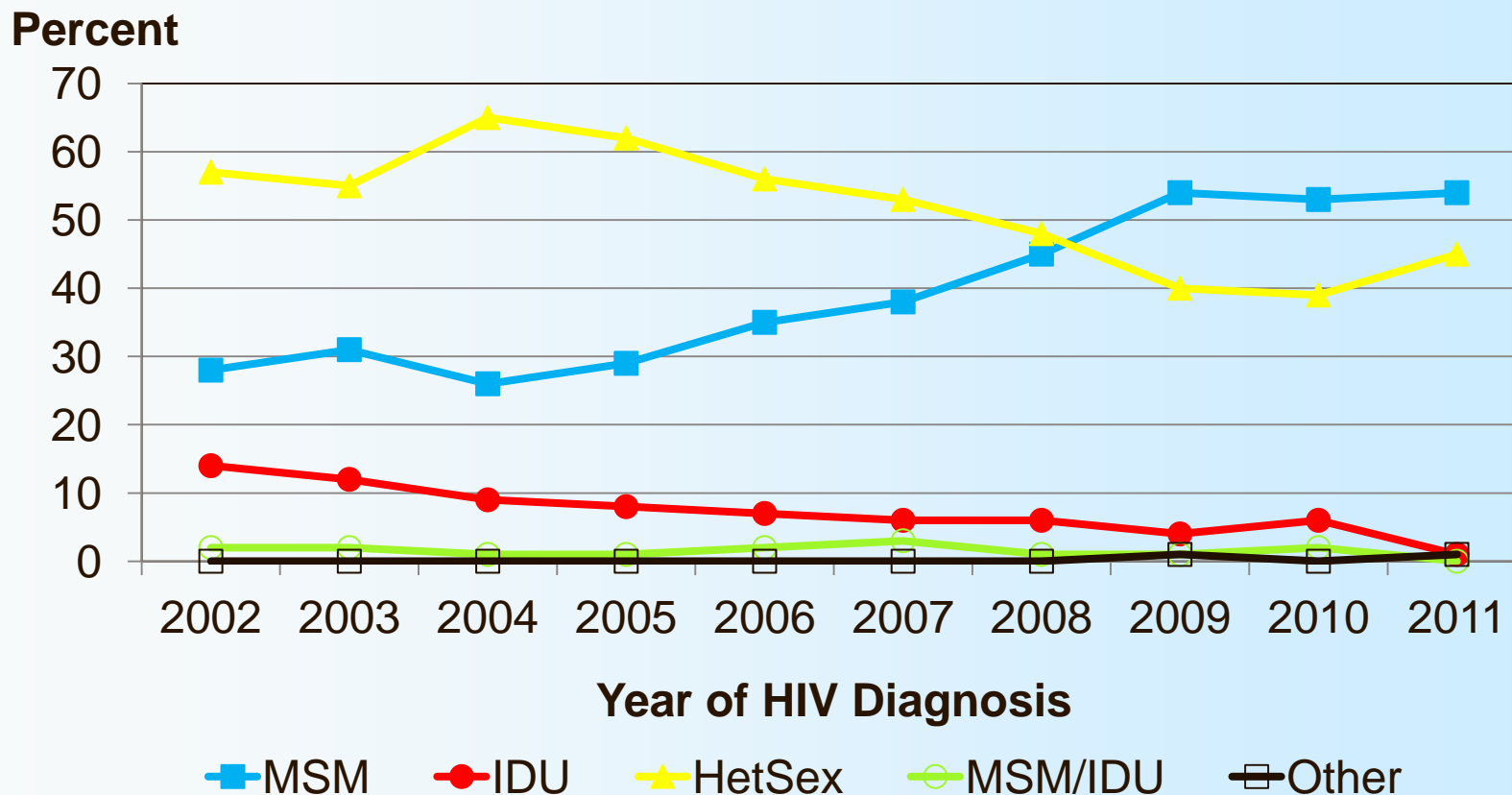
# Living Adult/Adolescent HIV Cases 12/31/11 by Exposure Category and Sex at Birth Western Region



Using data as reported through 12/31/2012



# Reported Adult/Adolescent HIV Diagnoses, Exposure Category Trends, Western Region



Using data as reported through 12/31/2012



# National HIV/AIDS Strategy



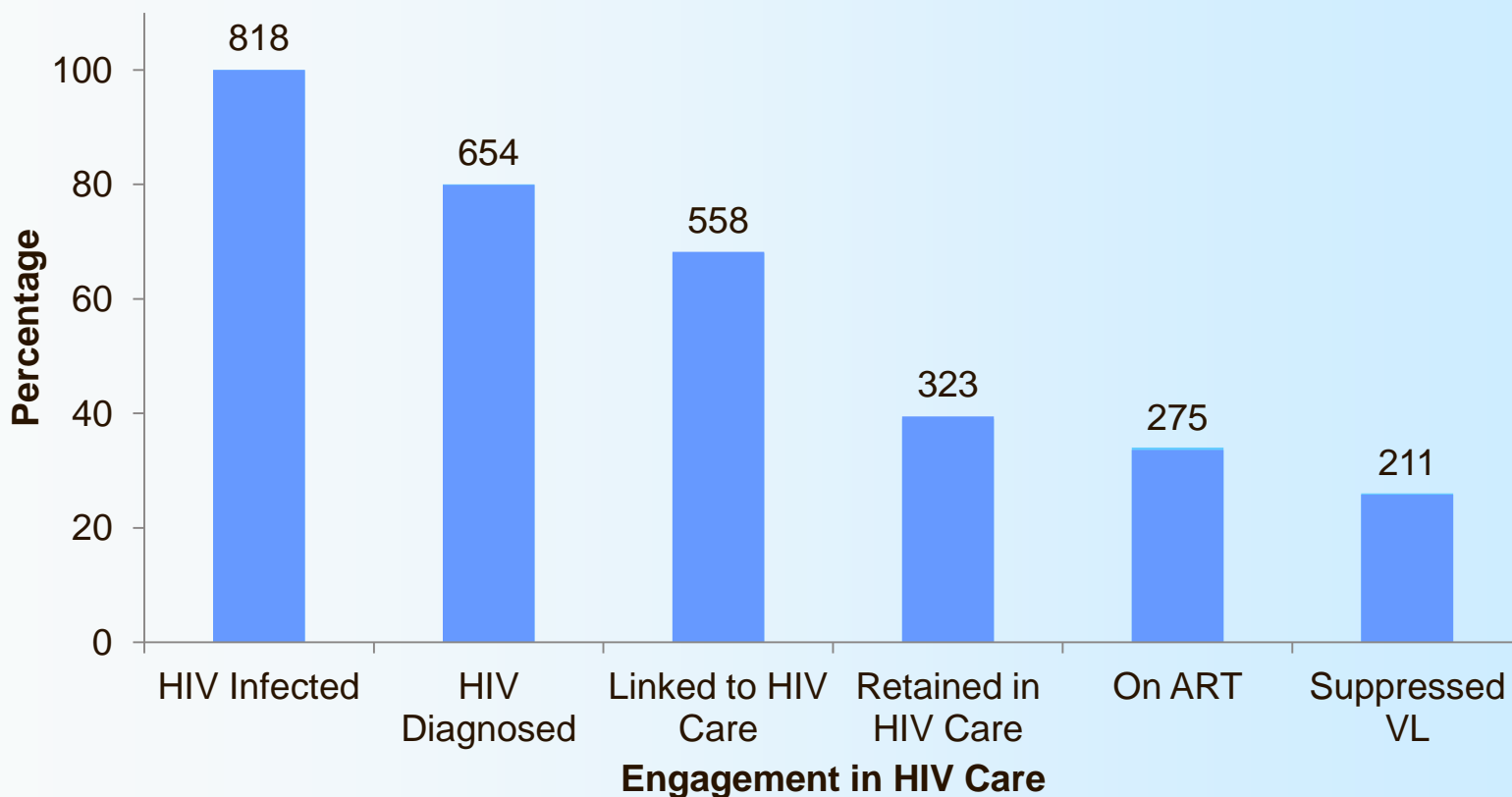
## Goals:

- Reducing HIV incidence
- Increasing access to care and optimizing health outcomes
- Reducing HIV-related health disparities
- Achieving a more coordinated national response



# Continuum of Care

**Estimated number and percentage of HIV infected adults engaged in selected stages of the continuum of care, Western Maryland 2010**



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# Regional Summary





# HIV/AIDS in the Western Region



- There were 619 living adult/adolescent HIV cases at the end of 2011.
- There were 29 reported adult/adolescent HIV diagnoses during 2011
- Washington (46%) and Frederick (42%) counties had the greatest share of living cases
- Rates of living cases were 1.5 times higher in Washington County than the Western Region



# HIV/AIDS in the Western Region: Demographics

- Males were disproportionately affected (67% of cases vs. 50% of population), but the proportion female was increasing
- Non-Hispanic blacks were disproportionately affected (33% vs. 8%)
- Persons 30-59 years old were disproportionately affected (80% vs. 43%), but the proportions were decreasing among 30-39 year olds while increasing among 50-59 year olds



# HIV/AIDS in the Western Region: Exposure Category

- Sexual transmission predominates (>77%)
  - Homosexual and heterosexual transmission among men
  - Heterosexual transmission among women
  - Male homosexual transmission proportion was increasing
- Injection drug use is an important route of transmission (>18%), and the proportion IDU was stable



# **Maryland Prevention and Health Promotion Administration**

**<http://phpa.dhmmh.maryland.gov/oideor/chse>**